|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 9.2: Phase I, ~14,530-7571 cal BP** | | | | | | | | | | | |
| **LATE PLEISTOCENE: EARLY SUBPHASE, 14,530-10,000 cal BP** | | | | | | | | | | | |
| **TAXON** | **UNIT 9** | | **UNIT 15** | | | | **T.P. 22** | | |  |  |
|  | **Layer** | | **Layer** | | | | **Layer** | | |  |  |
|  | **11** | **12** | **4** | **8** | **9** | **13a** | **5a** | **8a-b** | **11a** | **Totals** | **% of Total by Taxa** |
| **Chitons** |  |  |  |  |  |  |  |  |  |  |  |
| *Chaetopleura hennahi* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Chiton cummingsii* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Chiton granosus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Enoplochiton niger* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Acanthopleura echinata* |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Chitons** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Limpets** |  |  |  |  |  |  |  |  |  |  |  |
| *Fissurella peruviana* |  |  | 3 | 2 | 4 | 4 |  |  |  | 13 |  |
| *Fissurella maxima* | 2 |  |  |  |  |  | 1 | 2 | 1 | 6 |  |
| *Fissurella latimarginata* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Fissurella limbata* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Fisurella crassa* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Fissurella* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Limpets** |  |  |  |  |  |  |  |  |  | **19** | **19.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Marine Snails/Gastropods** |  |  |  |  |  |  |  |  |  |  |  |
| *Collisella orbignyi* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Collisella ceciliana* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Scurria viradula* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Scurria parasitica* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Scurria* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Ditoma nigerima* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Tegula atra* | 2 |  |  |  |  |  | 1 | 3 | 3 | 9 |  |
| *Tegula euryomphala* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Tegula tridentata* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Prisogaster niger* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Littoridina cummingsi* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Nodilittorina peruviana* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Cerithium stercusmuscarum* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Cerithidea mazatlanica* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Calyptraea trochiformis* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Crepipatella dilatata* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Crucibulum spinosum* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Sinum cymba* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Polinices uber* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Polinices cora* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Bursa ventricosa* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Bursa nana* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Xanthochorus buxea* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Thais haemostoma* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Thais chocolata* | 2 |  |  |  |  |  | 3 |  | 2 | 7 |  |
| *Thais delessertiana* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Thais callaoensis* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Crassilabrum crassilabrum* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Concholepas concholepas* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Solenosteira fusiformis* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Columbella paytensis* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Mitrella* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Anachis* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Nassarius dentifer* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Prunum curtum* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Oliva peruviana* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Olivella columellaris* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Oliva* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Mitra orientalis* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Cancellaria decussata* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Cancellaria urceolata* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Marinula pepita* |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Marine Snails/Gastropods** |  |  |  |  |  |  |  |  |  | **16** | **16.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Freshwater Snails** |  |  |  |  |  |  |  |  |  |  |  |
| *Lymnaea* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Helisoma peruvianum* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Helisoma trivolvis* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Helisoma* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Drepanotrema sp.* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Physa venustula* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Physa* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Freshwater Snails** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Bivalves** |  |  |  |  |  |  |  |  |  |  |  |
| *Anadara* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Aulacomya ater* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Choromytilus chorus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Perumytelus purpuratus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Semimytilus algosus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Chama pellucida* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Brachidontes* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Spondylus princeps* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Argopecten circularis* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Argopecten purpuratus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Argopecten* sp*.* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Trachycardium procerum* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Anomia peruviana* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Protothaca thaca* | 2 | 1 |  |  |  |  | 7 | 11 | 1 | 22 |  |
| *Protothaca zorritensis* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Euromalea rufa* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Petricola rugosa* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Gari solida* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Semele corrugata* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Semele solida* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Spisula adamsi* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Donax obesulus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Mesodesma donacium* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Pholas chiloensis* |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Bivalves** |  |  |  |  |  |  |  |  |  | **22** | **22.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Barnacles** |  |  |  |  |  |  |  |  |  |  |  |
| *Balanus* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Chthamalus* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Barnacles** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Marine Crabs** |  |  |  |  |  |  |  |  |  |  |  |
| *Platyxanthus orbignyi* | 1 |  | 1 | 6 | 2 |  |  |  |  | 10 |  |
| *Platyxanthus cokeri* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Cancer porteri* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Cancer polyodon* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Paraxanthus barbiger* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Cycloxanthops sexdecimdentalus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Hepatus chiliensis* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Petrolisthes* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Pachycheles* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Ocypode gaudichaudii* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Callinectes arctuatus* |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Marine Crabs** |  |  |  |  |  |  |  |  |  | **10** | **10.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Freshwater Crabs** |  |  |  |  |  |  |  |  |  |  |  |
| *Hyplobocera* sp*.* |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Freshwater Crabs** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Sea Urchins** |  |  |  |  |  |  |  |  |  |  |  |
| *Tetrapygus niger* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Strongylocentrotus gibbosus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Caenocentrotus gibbossus* |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Sea Urchins** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Ascidian (Sea Squirt)** |  |  |  |  |  |  |  |  |  |  |  |
| *Pyura chilensis* |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Ascidians** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Unidentified Crustaceans etc.** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Amphibians** |  |  |  |  |  |  |  |  |  |  |  |
| Leptodactylidae |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Amphibians** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Sharks and Rays** |  |  |  |  |  |  |  |  |  |  |  |
| *Galeorhinus* sp. |  | 1 |  |  | 1 |  |  |  |  | 2 |  |
| *Mustelus* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| Carcharhinidae |  |  |  |  |  |  |  |  |  | 0 |  |
| *Carcharhinus* sp. |  |  | 2 | 3 | 2 |  |  |  |  | 7 |  |
| *Rhizoprionodon* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Sphyma* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| Lamnidae |  |  |  |  |  |  |  |  |  | 0 |  |
| *Alopias vulpinus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Alopias* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Isurus oxyrinchus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Squatina armata* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Rajiformes* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Urotrygon* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Rhinobatos planiceps* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Myliobatis* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Sharks and Rays** |  |  |  |  |  |  |  |  |  | **9** | **9.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Bony Fish** |  |  |  |  |  |  |  |  |  |  |  |
| Ariidae |  |  |  |  |  |  |  |  |  | 0 |  |
| *Galeichthys peruvianus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Cheilodactylus variegatus* |  |  |  |  |  |  |  |  |  | 0 |  |
| Clupeidae |  |  |  |  |  |  |  |  |  | 0 |  |
| *Engraulis ringens* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Ethmidium maculatum* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Sardinops sagax-sagax* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Mugil cephalus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Paralychthys* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Scartichthys* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Labrisomus philippii* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Scorpaena* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Stellifer minor* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Trachurus symmetricus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Trachurus symmetricus murphyi* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Seriolella violacea* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Centropomus* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Paralonchurus peruanus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Cynoscion* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Thunnus albacares* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Sciaena deliciosa* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Sciaena gilberti* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Sciaena starksi* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Sciaena* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Pareques* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Hemilutjanus* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Larimus* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| Serranidae |  |  |  |  |  |  |  |  |  | 0 |  |
| *Acanthistius pictus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Paralabrax* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| Pomadasyidae |  |  |  |  |  |  |  |  |  | 0 |  |
| *Micropogonias altipinnis* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Menticirrhus* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Ansiotremus scapularis* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Merluccius gayi* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Merluccius gayi peruanus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Sarda chiliensis* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Sarda chiliensis chiliensis* |  |  |  |  |  |  |  |  |  | 0 |  |
| Scombridae |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Bony Fish** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Unidentified Fish** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Marine Birds** |  |  |  |  |  |  |  |  |  |  |  |
| *Spheniscus humboldti* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Diomedea* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Charadrius* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Haematopus* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Larus* sp. | 1 |  |  |  | 2 |  |  |  | 1 | 4 |  |
| *Larosterna* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| Laridae |  |  |  |  |  |  |  |  |  | 0 |  |
| Ardeidae |  |  |  |  |  |  |  |  |  | 0 |  |
| *Egretta* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Pelecanus thagus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Phalacrocorax bougainvillii* | 2 | 1 | 1 |  |  |  |  |  |  | 4 |  |
| *Sula variegata* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Sula* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Marine Birds** |  |  |  |  |  |  |  |  |  | **8** | **8.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Wetland/Land Birds** |  |  |  |  |  |  |  |  |  |  |  |
| *Accipitridae* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Podylimbus podiceps* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Anas* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| *Zenaidura auriculata* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Dives warszewiczi* | 1 |  |  |  |  |  |  |  | 1 | 2 |  |
| **Total Wetland/Land Birds** |  |  |  |  |  |  |  |  |  | **2** | **2.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Unidentified Bird** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Mammals** |  |  |  |  |  |  |  |  |  |  |  |
| Phyllostomidae |  |  |  |  |  |  |  |  |  | 0 |  |
| Muridae |  |  |  |  |  |  |  |  |  | 0 |  |
| *Cavia porcellus* |  |  |  |  |  |  |  |  |  | 0 |  |
| *Canis familiaris* |  |  |  |  |  |  |  |  |  | 0 |  |
| Lycalopex sechurae |  |  |  |  |  |  |  |  |  | 0 |  |
| *Otaria flavescens* | 2 | 1 |  |  | 2 |  |  |  | 6 | 11 |  |
| Balaenidae |  |  |  |  |  |  |  |  |  | 0 |  |
| *Delphinus* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| Cetacea |  |  |  |  |  |  |  |  |  | 0 |  |
| *Odocoileus virginianus* |  |  |  |  | 3 |  |  |  |  | 3 |  |
| *Lama* sp. |  |  |  |  |  |  |  |  |  | 0 |  |
| **Total Mammals** |  |  |  |  |  |  |  |  |  | **14** | **14.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Unidentified Marine Mammal** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
| **Unidentified Terrestrial Mammal** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
| **Unidentified Mammal** |  |  |  |  |  |  |  |  |  | **0** | **0.00%** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **Total Faunal Phase I** | **15** | **4** | **7** | **11** | **16** | **4** | **12** | **16** | **15** | **100** |  |